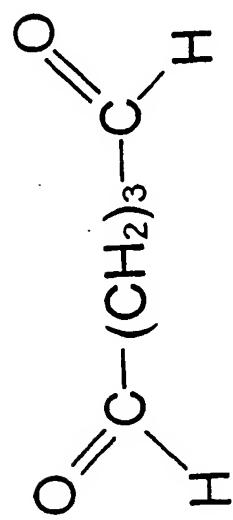


Genipin
(GP)



Glutaraldehyde
(GA)

FIG. 1

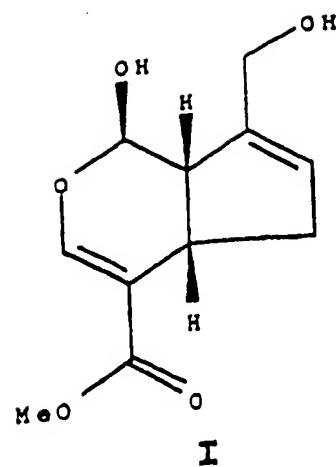


FIG. 2A

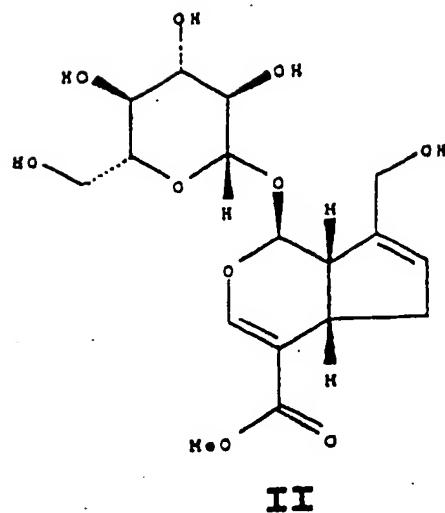
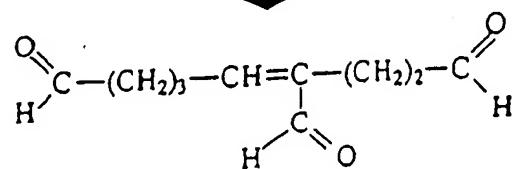
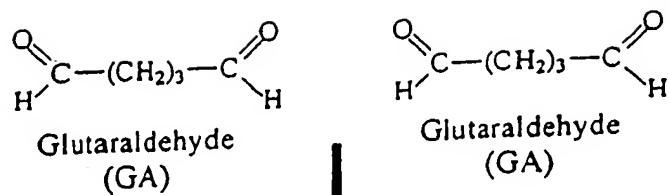
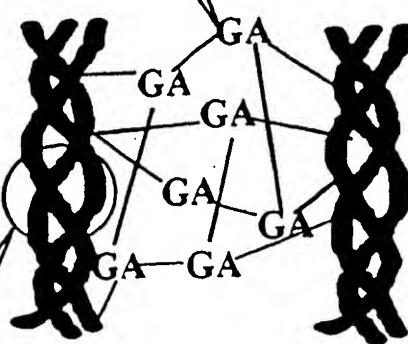


FIG. 2B



Aldol condensation



Intermolecular crosslink

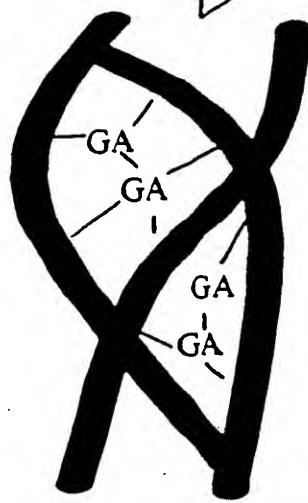
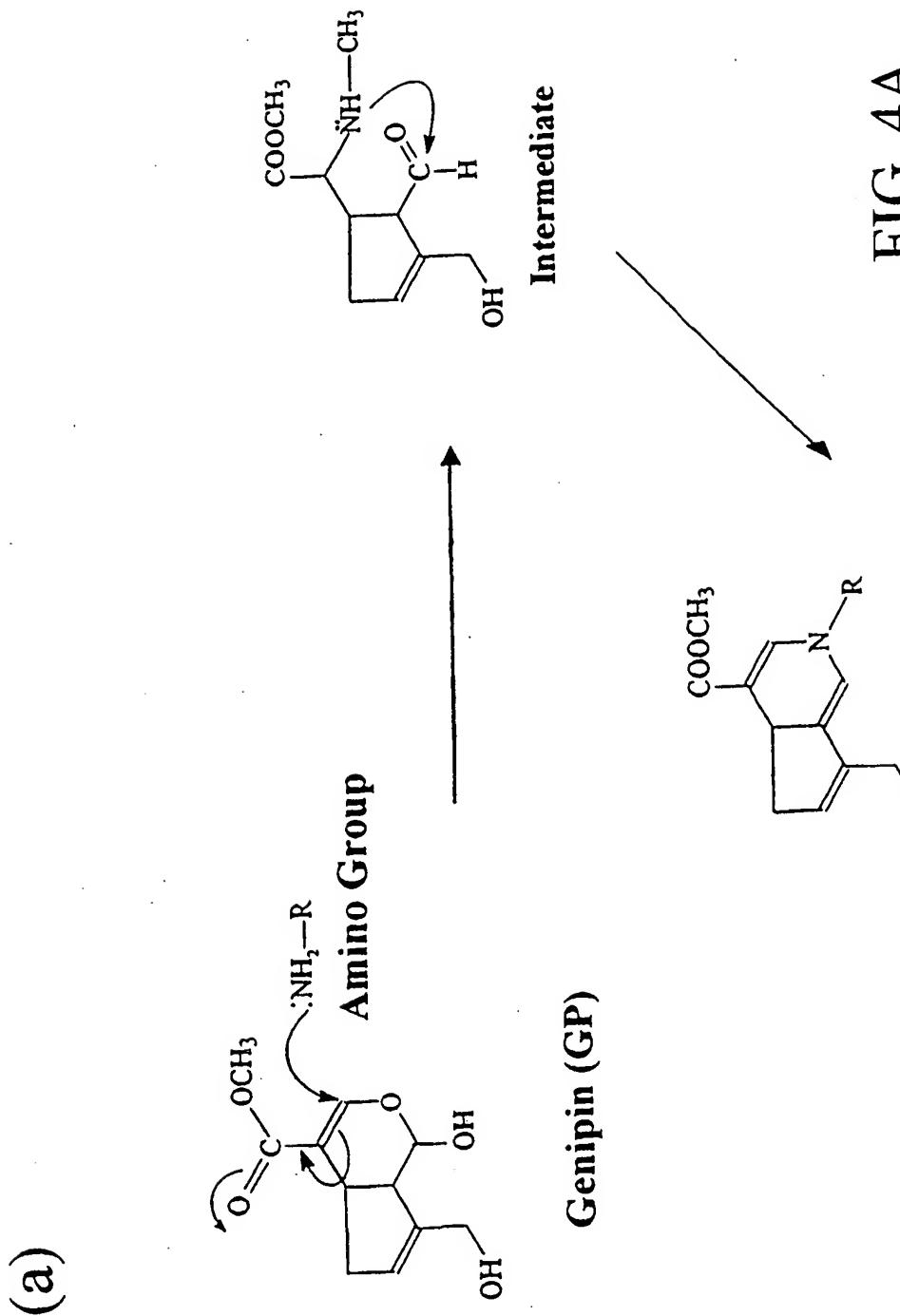


FIG. 3

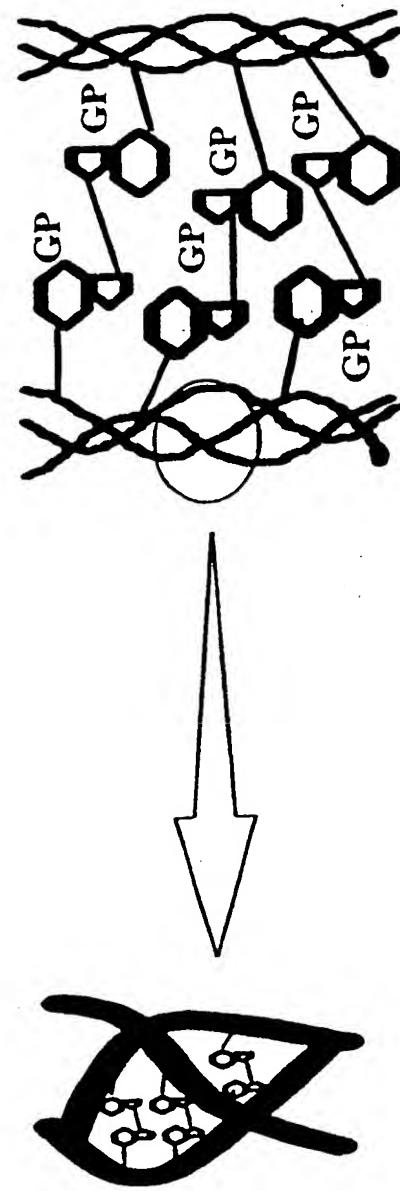
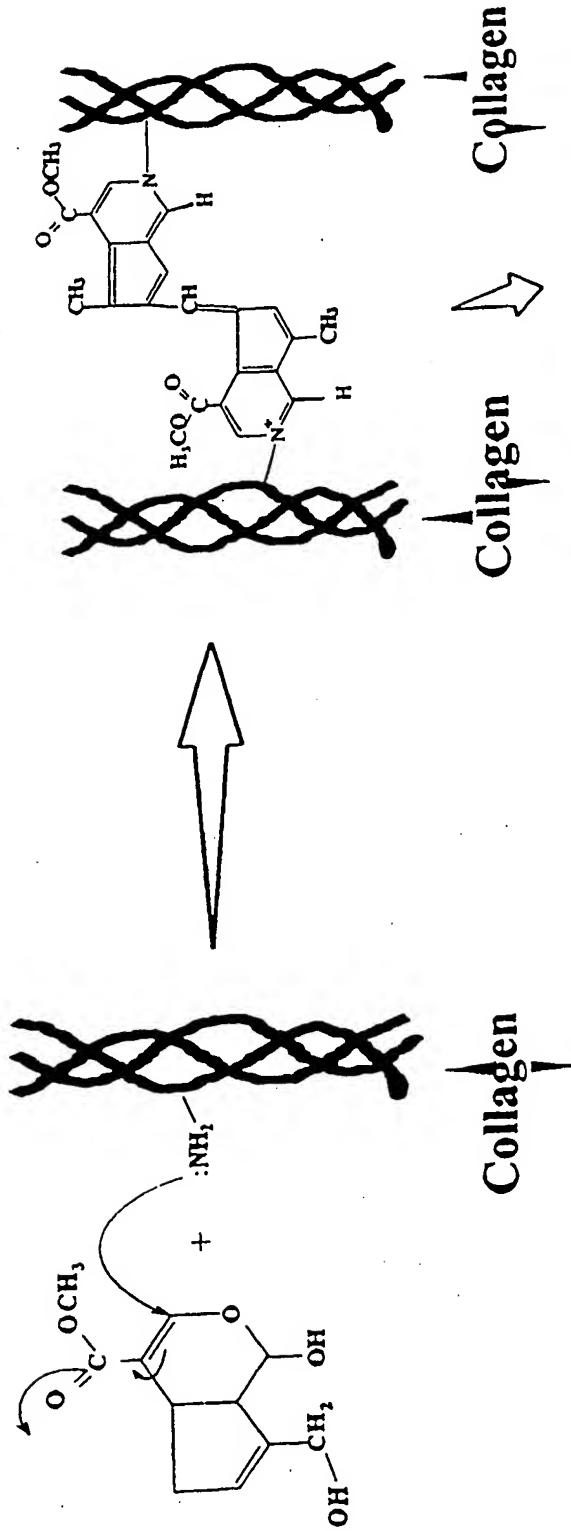
Intramolecular crosslink



Genipin-Amino-Group Monomer

FIG. 4A

(६)



Intramolecular Crosslink

Intermolecular Crosslink

FIG. 4B

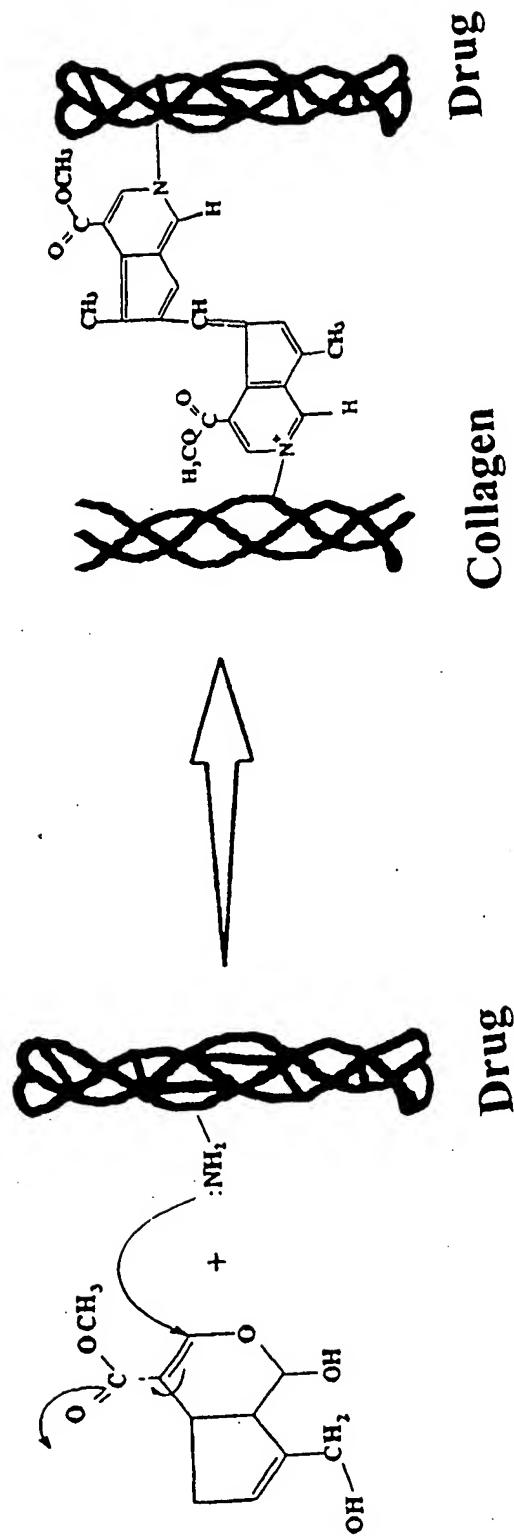


FIG. 5

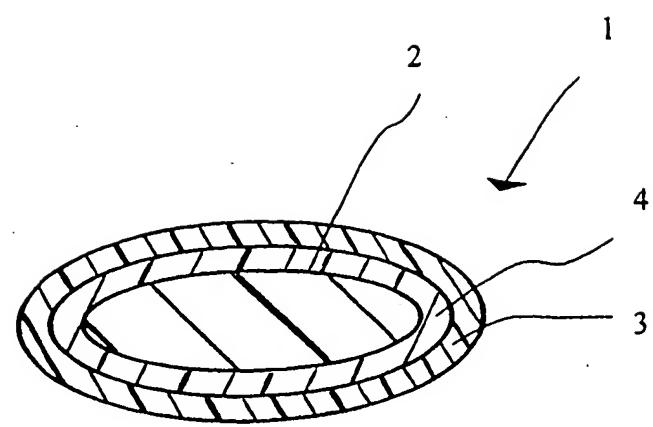


FIG. 6

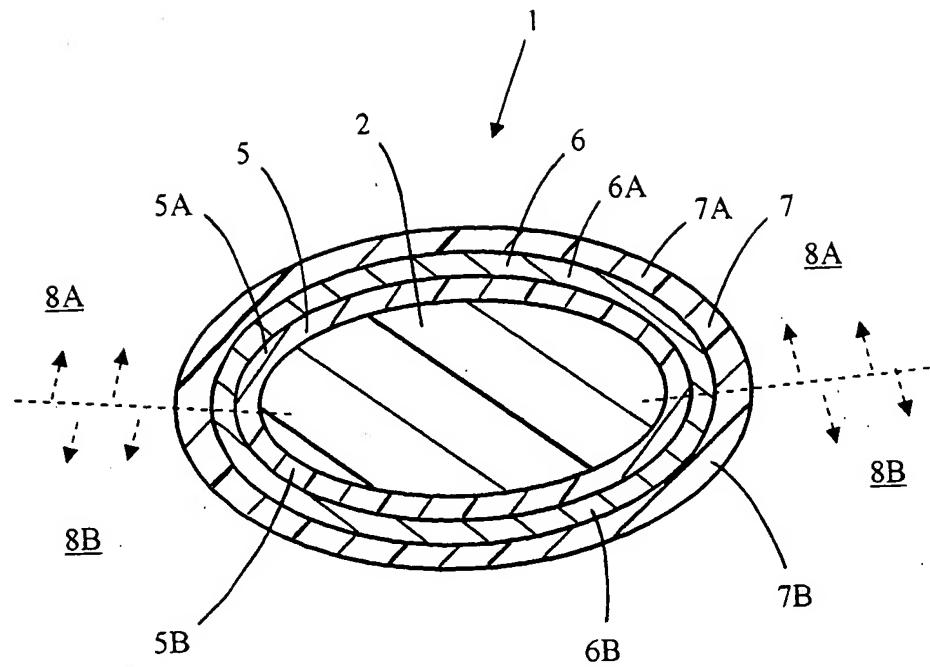


FIG. 7

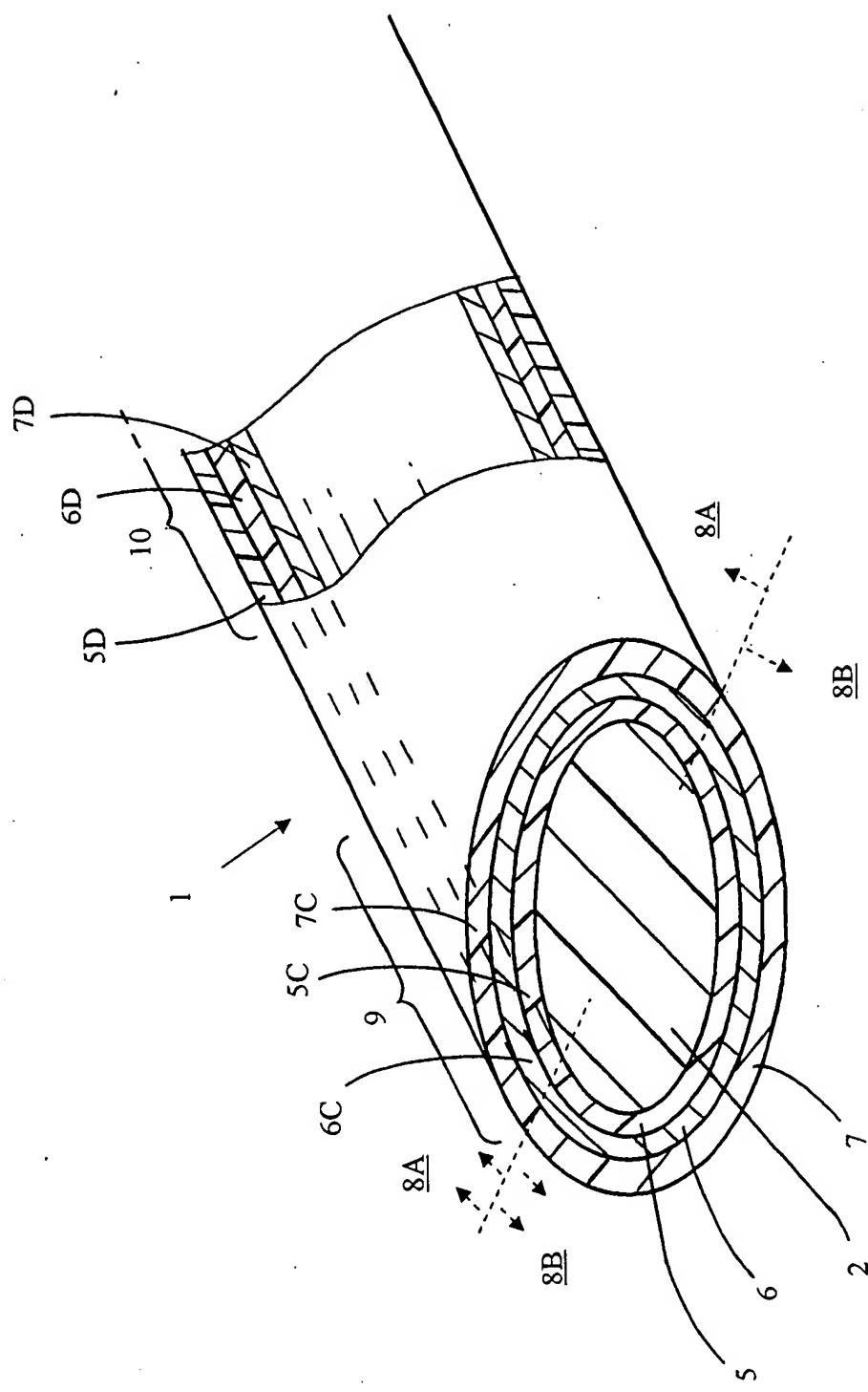


FIG. 8

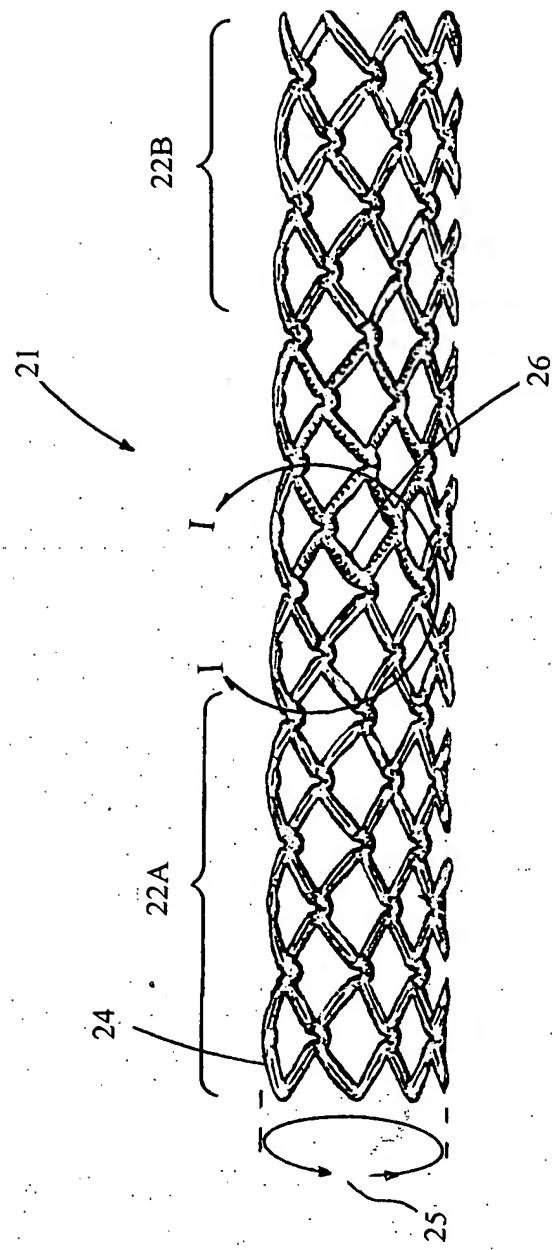


FIG. 9

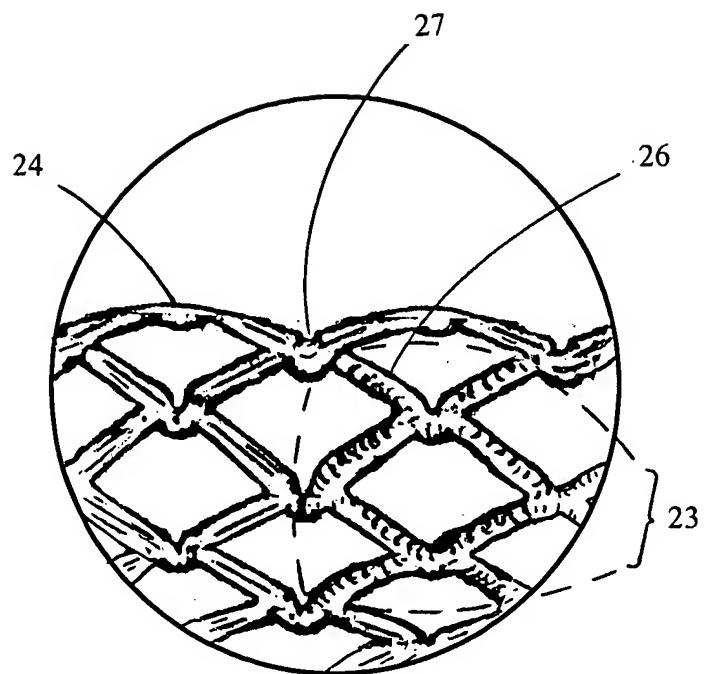


FIG. 10

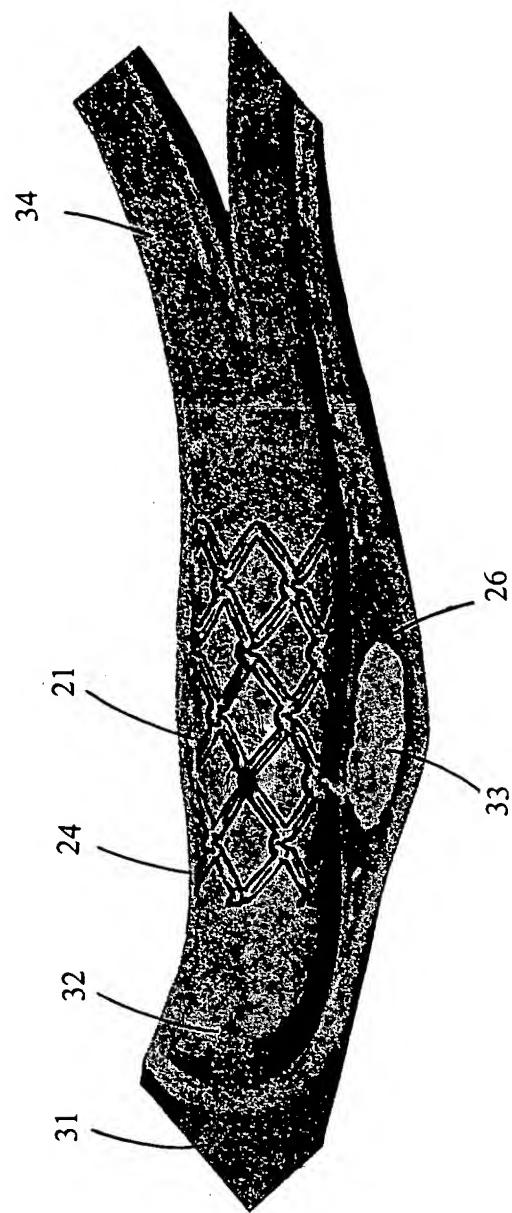


FIG. 11